L1 ANSWER 1 OF 1 CAPL[redacted] COPYRIGHT 2000 ACS
AN ***1999:650423*** CAPLUS
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TI Curable epoxy-containing block polysiloxane compositions and transparent substrates coated with them
IN Ariyoshi, Yasushi; Suzuki, Takehiro
PA Toyo Ink Mfg. Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 8 pp.
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DT Patent
LA Japanese
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CC 42-9 (Coatings, Inks, and Related Products)
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11279259	A2	19991012	JP 1998-86088	19980331

AB The compns. contain (A) epoxy-contg. block copolymers composed of polymer moieties having epoxy groups and polysiloxane moieties and (B) polyfunctional amines. Thus, 45.01 parts block copolymer [prepd. from glycidyl methacrylate 40, Me methacrylate 40, 2-hydroxyethyl methacrylate 10, and VPS 0501 (di-Me siloxane-based azo-contg. polymn. initiator) 10], and AIBN 1 part was mixed with 6.59 parts Jafamine D 400 (polyoxypropylenediamine) to give a curable compn., which was applied on an acrylic board and dried to give a test piece with good soilproofing characteristics and light transmittance 100% at 660 nm.
ST epoxy block polysiloxane polyamine transparent coating; soilproofing coating epoxy block polysiloxane polyamine; acrylic epoxy block polysiloxane transparent coating; azo polysiloxane glycidyl methacrylate block coating
IT Polysiloxanes, uses
RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(acrylic-epoxy; curable epoxy-contg. block polysiloxane coating compns. for transparent substrates)
IT Epoxy resins, uses
RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(acrylic-polysiloxane-; curable epoxy-contg. block polysiloxane coating compns. for transparent substrates)
IT Coating materials
(antisoiling; curable epoxy-contg. block polysiloxane coating compns. for transparent substrates)
IT Acrylic polymers, uses
Polycarbonates, uses
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(board; curable epoxy-contg. block polysiloxane coating compns. for transparent substrates)
IT Transparent materials
(curable epoxy-contg. block polysiloxane coating compns. for transparent substrates)
IT Plate glass
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(curable epoxy-contg. block polysiloxane coating compns. for transparent substrates)
IT Coating materials
(transparent; curable epoxy-contg. block polysiloxane coating compns. for transparent substrates)
IT 919-30-2 2530-83-8, Sila-Ace S 510
RL: MOA (Modifier or additive use); USES (Uses)
(curable epoxy-contg. block polysiloxane coating compns. for transparent substrates)
IT 245678-04-0, 2-Hydroxyethyl methacrylate-glycidyl methacrylate-methyl methacrylate-VPS 0501 block copolymer 245678-05-1 245678-06-2

RL: PRP ([redacted]erties); TEM (Technical or en[redacted]ered material use); USES (Uses)
(curable epoxy-contg. block polysiloxane coating compns. for transparent substrates)

======= **WPI** ======

TI - Curable resin composition - composition comprising an epoxy group-containing resin which contains at least a silicone type block copolymer and a polyfunctional amine compound.

AB - JP11279259 A curable resin composition comprising (a) an epoxy group-containing resin which contains at least a silicone type block copolymer containing polyorganosiloxane moiety and a polymer moiety in which two or more epoxy groups are contained in a polymer chain, and (b) a polyfunctional amine compound.
- USE - The curable resin composition is useful for a paint, or a sheathing material (external cladding material).
- ADVANTAGES - The curable resin composition of the present invention can be cured on a dry substance including plastics such as acryl and polycarbonate etc or inorganic materials such as glass, concrete, mortar, ceramics, stone and metal plates, and has high stain resistance (high resistance to rain, oil, dust, and paint etc) and poster repelling properties (when a poster etc is plastered on it, it can be easily removed). The curable resin composition can provide a coat having high adhesion with the base material.
- (Dwg.0/0)

PN - JP11279259 A 19991012 DW199954 C08G59/20 008pp
PR - JP19980086088 19980331
PA - (TOXW) TOYO INK MFG CO LTD
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DC - A28 A82 G02 P73
IC - B32B27/38 ;C08G59/20 ;C08J7/04 ;C09D163/00
AN - 1999-629325 [54]

======= **PAJ** =======

TI - CURABLE RESIN COMPOSITION AND TRANSPARENT BASE MATERIAL

AB - PROBLEM TO BE SOLVED: To obtain a curable resin composition with excellent coating performance on plastic plates such as of acrylics or polycarbonates or inorganic base materials such as glass, and curability, having high contamination resistance and postering-proofness, and capable of providing smooth and transparent coating film of high adhesiveness to base material, and to obtain a transparent base material coated with the above composition.
- SOLUTION: This curable resin composition comprises (a) an epoxy group-contg. resin composed essentially of a silicone-based block copolymer consisting of a polymer portion having a plurality of epoxy groups in the polymer chain and (b) a multifunctional amine compound. The objective transparent base material is such one as to be coated with the above resin composition.

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(54)【発明の名称】　硬化性樹脂組成物および透明基材

(57)【要約】
【課題】アクリル、ポリカーボネート等のプラスチック板やガラスなどの無機基材等に対する塗布性能および硬化性に優れ、高い耐汚染性、貼り紙防止性を有し、基材に対する密着性に優れた平滑かつ透明な塗膜を形成する硬化性樹脂組成物、および該硬化性樹脂組成物を塗布した透明基材を提供すること。
【解決手段】（ａ）重合体鎖中にエポキシ基を複数有する重合体部と、ポリオルガノシロキサン部が存在するシリコーン系ブロック共重合体を少なくとも含むエポキシ基含有樹脂、および（ｂ）多官能アミン化合物を含む硬化性樹脂組成物および該硬化性樹脂組成物を塗布した透明基材を提供する。